

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A method of operating a fuel reforming system, the method comprising the steps of:

operating a turbocharger so as to produce pressurized air, and

advancing the pressurized air through a plasma fuel reformer.
2. (Currently Amended) The method of claim 1, further comprising the step of advancing a reformat gas produced by the plasma fuel reformer to an intake of an internal combustion engine with the pressurized air.
3. (Original) The method of claim 2, wherein:

the reformat gas comprises a hydrogen-rich gas, and

the reformat gas advancing step comprises advancing the hydrogen-rich gas to the intake of the engine with the pressurized air.
4. (Currently Amended) The method of claim 1, further comprising the step of advancing a reformat gas produced by the plasma fuel reformer to an emission abatement device with the pressurized air.
5. (Original) The method of claim 4, wherein:

the reformat gas comprises a hydrogen-rich gas, and

the reformat gas advancing step comprises advancing the hydrogen-rich gas to the emission abatement device with the pressurized air.
6. (Original) The method of claim 1, wherein:

the turbocharger has a turbine assembly, and

the operating step comprises driving the turbine assembly with exhaust gases from an internal combustion engine.
7. (Currently Amended) The method of claim 1, wherein:

the plasma fuel reformer has an air inlet, and

the advancing step comprises advancing the pressurized air through the air inlet of the plasma fuel reformer.

8. (Previously Presented) A fuel reforming system, comprising:

a turbocharger having a pressurized air outlet, and

a plasma fuel reformer having an air inlet fluidly coupled to the pressurized air outlet.

9. (Currently Amended) The system of claim 8, wherein:

the plasma fuel reformer has a reformat gas outlet, and

the reformat gas outlet is fluidly coupled to an intake of an internal combustion engine.

10. (Currently Amended) The system of claim 9, wherein:

the plasma fuel reformer has a reformat gas outlet, and

the reformat gas outlet is fluidly coupled to an emission abatement device.

11. (Original) The system of claim 8, wherein:

the turbocharger comprises a turbine assembly having a turbine gas inlet, and

the turbine gas inlet is fluidly coupled to an exhaust manifold of an internal combustion engine.

12. (Canceled)

13. (Original) A method of operating a power system, the method comprising the steps of:

operating a turbocharger so as to produce pressurized air, and

advancing a reformat gas from a fuel reformer to a component with the pressurized air.

14. (Original) The method of claim 13, wherein the advancing step comprises advancing the reformat gas from the fuel reformer to an intake of an internal combustion engine with the pressurized air.

15. (Original) The method of claim 13, wherein the advancing step comprises advancing the reformat gas from the fuel reformer to an emission abatement device with the pressurized air.

16. (Original) The method of claim 13, wherein:
the turbocharger has a turbine assembly, and
the operating step comprises driving the turbine assembly with exhaust gases from an internal combustion engine.

17. (Original) The method of claim 13, wherein:
the reformat gas comprises a hydrogen-rich gas, and
the advancing step comprises advancing the hydrogen-rich gas to the component with the pressurized air.